



## Missouri WAP Technical Newsletter

### DOE Quality Work Plan Updates:

#### **Inspection and Monitoring of Work by QCI's**

All units reported to DOE with a final inspection date on or after July 1, 2015 must be inspected and signed off by a certified quality control inspector (QCI) to ensure that all work completed is in compliance with the specifications outlined in the SWS. **Agencies who submit homes with a final inspection date on or after July 1, 2015, will not be reimbursed for that home if it has not passed a final inspection by a QCI.** Currently, there are 31 fully certified QCI's in Missouri's WAP network. Our records indicate that seventeen subgrantees have at least one QCI at this time.

#### **QCI and Energy Auditor Training**

A QCI training session conducted by Southface Energy Institute will be held August 24-28 in St. Louis at the Drury Inn & Suites-Chesterfield. All attendees have been notified of acceptance and should have received an email from Southface with detailed information regarding the training. All attendees for this selected training must complete the two online training modules, tutorials and quizzes sent by Southface. If you are an attendee for this course and did not receive the email sent by Rachel Burton on July 10, please contact the DE office.

Our first Energy Auditor (EA) training session will be held September 21-25. The EA training location has not been determined and attendees have not been selected at this time. Additional information will be distributed as soon as arrangements are finalized.

#### **SWS Variance**

Missouri has received a variance from DOE to follow the newly published ANSI approved BPI 1200 standard 7.9: Combustion Appliance Safety Inspections. A recent emailing from DED/DE included key changes from current inspection standards, a step-by-step guideline to the new spillage testing procedure and an updated Combustion Appliance Spillage Test Form. Implementation of the new standard and use of the new forms is effective immediately.

### Technical Updates and Reminders:

#### **ASHRAE 62.2**

All exhaust only ventilation fans installed in utility rooms or non-occupied spaces, such as basements, require a permanent passive and adequate path of passive air transfer to the occupied spaces of the home.

Doors that must be installed between a garage and a living space to meet ASHRAE 62.2 standards may be replaced as a Health and Safety measure if the replacement is not cost effective.

### Domestic Water Heater Replacement

Leaking water heaters, without other Health and Safety concerns, do not have to be replaced or repaired if they are not creating a moisture problem (e.g. located on a concrete floored basement with a floor drain nearby).

Water heaters replaced for any reason must have an emergency drain pan installed with sides that extend a minimum of 4" above the floor **if** leakage would cause damage to the home. A ¾" drain line or larger will be connected to tapping on the pan and terminated in accordance with P2801.5.2 of the 2012 IRC which can be found here: <http://publicecodes.cyberregs.com/icod/irc/2012/index.htm> . If the water heater is in a location that will not cause damage to the home if it leaks, the emergency drain pan is not required.

### Mandatory Measures

Mandatory measures listed in Table XI-I of the Technical Manual (page 154) are required to be evaluated on every home. All mandatory measures must be checked as **"Active"** in the Library Measures tab of the Setup Library in the Weatherization Assistant. Only those measures which cannot be installed due to legitimate reasons, such as health and safety concerns, may be removed or omitted from the computerized audit. If any mandatory measure is not evaluated, a comprehensive explanation outlining why the measure was not evaluated must be included in the client file.

### Window Evaluation

When evaluating windows in the weatherization assistant, **"Evaluate All"** should be selected as the retrofit option in the windows tab if any window retrofit measures are to be considered. Since window measures are optional by house, the Weatherization Assistant will only evaluate options that are checked as **"active"** in the library measures tab. Refer to the recently updated Window Leakiness Guidelines, attachment 3.7 in the Technical Manual, to properly assess the leakiness of windows.

### Heating System Evaluation

All heating systems **must** be evaluated for replacement as an energy conservation measure (ECM). When evaluating a heating system for replacement as an ECM, the **"Evaluate All"** option should be selected in the Replacement System field of the computerized audit. If replacement is **not** determined to be cost effective but the furnace must be replaced due to a Health & Safety (H&S) concern such as a cracked heat exchanger, only then should the "Replacement Mandatory" option be selected in the Replacement System field. If, once the "Replacement Mandatory" option is selected, the replacement Returns an SIR of 1.0 or greater, the "Include in SIR" box should remain checked and the furnace may be replaced as an ECM. If the SIR is below 1.0 then the "Include in SIR" box must be unchecked for the replacement to be included in the List of Recommended Measures as a H&S replacement.

**All** electric furnaces must be evaluated for replacement with a heat pump as an ECM. When evaluating electric furnaces for replacement as an ECM, the **"Evaluate Replacement with Heat Pump"** option should be selected in the Replacement System field of the computerized audit. Information must also be entered for existing air conditioners so that the computerized audit can account for energy savings associated with cooling as well as heating.

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